

# CLAIMS

1. A joint between two components (2, 4), comprising:
- (a) joint faces on both components wherein the joint faces at least partially correspond with one another and at least partially contact one another in the jointed state,
  - (b) a matrix positioned on at least a part of at least one of the joint faces,
  - (c) multiple capsules positioned distributed in the matrix, and
  - (d) a material of a reaction adhesive system contained in the capsules,
- wherein at least part of the capsules at least partially release the material contained therein under external influence.
2. The joint according to claim 1, wherein the capsules at least partially release the material under the effect of force, particularly through pressure and/or friction.
3. The joint according to claim 1, wherein the capsules at least partially release the material under the effect of external energy, particularly thermal energy, ultrasound energy, high frequency energy, light energy, or UV energy.

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4. The joint according to claim 1,  
wherein the capsules at least partially release the material  
under the effect of a liquid, particularly water.
5. The joint according to claim 1,  
wherein the matrix is made of an adhesive, resin, or wax.
6. The joint according to claim 5,  
wherein the matrix effects a seal of the joint face,  
particularly against the penetration of moisture.
7. The joint according to claim 1,  
wherein the reaction adhesive comprises at least two  
components, the capsules contain a first component of the  
reaction adhesive, and water represents the second component.
8. The joint according to claim 1,  
wherein the reaction adhesive comprises at least two  
components, the capsules contain at least one material of the  
reaction adhesive system, and the matrix at least partially has  
a second material of the reaction adhesive system.
9. The joint according to claim 8,  
wherein the capsules and/or the matrix have at least one  
further material of the reaction adhesive system.
10. The joint according to claim 8,  
at least two different types of capsules having different  
materials of the reaction adhesive system contained therein are  
provided.
11. The joint according to claim 1,  
wherein the matrix has at least two matrix layers and at least  
one layer made of capsules.
12. The joint according to claim 11,  
wherein different matrix layers have different materials of the  
reaction adhesive system.

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13. The joint according to claim 11,  
wherein different layers of capsules have different components  
of the reaction adhesive system
14. The joint according to claim 1,  
wherein both joint faces are provided with the matrix  
containing the capsules.
15. The joint according to claim 14,  
wherein the joint face is provided with a matrix having first  
capsules and the other joint face is provided with a matrix  
having second capsules, with the first capsules containing a  
first material and the second capsules containing a second  
material of a reaction adhesive system.
16. The joint according to claim 1,  
wherein the joint faces of both components butt against one  
another.
17. The joint according to claim 1,  
wherein the joint faces of both components are implemented as a  
tongue and groove joint.
18. The joint according to claim 1,  
wherein at least one component is made of a cellulose-  
containing material.
19. The joint according to claim 18,  
wherein at least one component is made of a lignocellulose-  
containing material, preferably of wood or a wooden material.
20. The joint according to claim 18,  
wherein the non cellulose-containing component is made of a  
metal or a plastic.
21. The joint according to claim 1,  
wherein the components are components of furniture and a solid  
joint is produced upon the assembly of the joint faces of the  
components.

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22. The joint according to claim 21,  
wherein one of the components is a furniture part and the other  
component is a fastener, particularly a dowel, screw, or hinge.
23. The joint according to claim 1,  
wherein the components are panels of a floor covering.
24. A component, comprising:
  - (a) at least one joint face for a joint with further components,
  - (b) a matrix positioned on at least part of at least one of the  
joint faces,
  - (c) multiple capsules positioned distributed in the matrix, and
  - (d) a material of a reaction adhesive system contained in the  
capsules,  
wherein at least a part of the capsules at least partially  
release the material contained in them under external  
influence.
25. A method for producing a matrix having multiple  
capsules containing at least one material of a reactive  
adhesive system on a joint face of a component,  
wherein, with the aid of an application system, at least one  
matrix layer is applied which at least partially comprises  
matrix material and at least partially comprises capsules, and  
wherein the matrix layer obtained in this way is at least  
partially fixed.
26. The method according to claim 25,  
wherein the capsules are dispersed in the matrix material  
before the application,  
wherein at least one matrix layer made of matrix material is  
applied onto at least one part of the joint face with the aid  
of the application system, and  
wherein the matrix layer obtained in this way is at least  
partially fixed.
27. The method according to claim 25,

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wherein at least one matrix layer made of a matrix material is applied onto at least one part of the joint face with the aid of the application system,  
wherein the capsules are applied to the not yet completely fixed matrix layer, and  
wherein the matrix layer obtained in this way is at least partially fixed.

28. The method according to claim 25,  
wherein the matrix material at least partially comprises a dissolved adhesive and  
wherein the matrix layer is at least partially fixed by drying.
29. The method according to claim 25,  
wherein at least one matrix layer made of capsules at least partially enveloped with matrix material is applied with the aid of the application system and  
wherein the matrix layer obtained in this way is at least partially fixed.
30. The method according to claim 29,  
wherein the matrix material at least partially comprises a melt adhesive and  
wherein, after the application of the enveloped capsules, the melt adhesive is at least partially melted by heating and subsequently fixed again by cooling.
31. The method according to claim 25,  
wherein the matrix layer is applied by means of spraying, painting, rolling, pouring, scattering, or puttying.
32. The method according to claim 27,  
wherein the capsules are applied by means of a directed air jet or by means of electrostatic charge.
33. The method according to claim 27,  
wherein a stream of capsules flowing downward is produced and wherein the joint face is passed through this stream.

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34. The method according to claim 27,  
wherein the excess capsules are suctioned off during the  
application of the capsules.
35. The method according to claim 34,  
wherein the capsules suctioned off are fed back to the  
reservoir of capsules.
36. The method according to claim 35,  
wherein a further matrix layer is applied after the application  
of the at least one capsule layer.
37. The method according to claim 36,  
wherein a multilayer layered structure is produced by multiple  
applications of matrix layers and capsule layers.

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